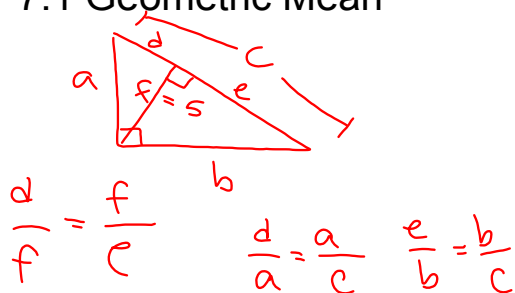


Chapter 7 Test tomorrow

7.1 Geometric Mean



7.2 Pythagorean Theorem

$$c^2 = a^2 + b^2$$

If a, b, c

$$c^2 = a^2 + b^2 \quad \text{Right}$$

$$c^2 > a^2 + b^2 \quad \text{Obtuse}$$

$$c^2 < a^2 + b^2 \quad \text{Acute}$$

Distance Formula $d = \sqrt{50}$

7.3 Special Right Triangles

45	45	90	30	60	90
x	x	$x\sqrt{2}$	x	$x\sqrt{3}$	2x
3	3	$3\sqrt{2}$	5	$5\sqrt{3}$	10
$4\sqrt{2}$	$4\sqrt{2}$	8	$\frac{20\sqrt{3}}{3}$	20	$\frac{40\sqrt{3}}{3}$



Squares, isosceles triangles, equilateral triangles

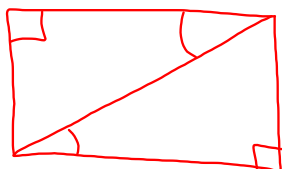
7.4 SOHCAHTOA

$$\sin = \frac{\text{opp}}{\text{hyp}}$$

$$\cos = \frac{\text{adj}}{\text{hyp}}$$

$$\tan = \frac{\text{opp}}{\text{adj}}$$

7.5 Word Problems



Complete worksheet
Check answers on wiki